

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	3841	29/417,592.1,594,609,609.1.ccls.	USPAT; JPO; DERWENT	OR	ON	2006/04/25 06:44
S2	802	381/170,355,358,360,361,368,369.ccls.	USPAT; JPO; DERWENT	OR	ON	2005/11/17 12:29
S3	964	216/62,66.ccls.	USPAT; JPO; DERWENT	OR	ON	2005/08/04 09:06
S4	4	((("4697334") or ("6307946"))).PN.	USPAT; USOCR; JPO; DERWENT	OR	OFF	2005/08/04 09:07
S5	1534	microphone and (acoustic near transducer)	USPAT; JPO; DERWENT	OR	ON	2005/08/04 10:06
S6	657	381/26,111,150,168.ccls.	USPAT; JPO; DERWENT	OR	ON	2005/08/04 09:17
S7	2171	S5 or S6	USPAT; JPO; DERWENT	OR	ON	2005/08/04 09:17
S8	1440	S2 or S6	USPAT; JPO; DERWENT	OR	ON	2005/08/04 09:17
S9	37	S5 and S8	USPAT; JPO; DERWENT	OR	ON	2005/08/04 09:17
S10	24	S1 and S5	USPAT; JPO; DERWENT	OR	ON	2005/08/04 09:17
S11	59	S9 or S10	USPAT; JPO; DERWENT	OR	ON	2005/08/04 09:17
S12	0	S11 and arregation	USPAT; JPO; DERWENT	OR	ON	2005/08/04 09:17
S13	0	S11 and aggregation	USPAT; JPO; DERWENT	OR	ON	2005/08/04 09:18
S14	7	connector with microphone with gasket	USPAT; JPO; DERWENT	OR	ON	2006/04/25 06:53

## EAST Search History

S15	1	connector with microphone with gasket with (stack\$3 or laminat\$3)	USPAT; JPO; DERWENT	OR	ON	2005/08/04 09:22
S16	58	(microphone adj assembly) and (web or substrate or aggregation)	USPAT; JPO; DERWENT	OR	ON	2005/11/17 12:27
S17	12	S16 and (stack\$3 or laminat\$3)	USPAT; JPO; DERWENT	OR	ON	2005/08/04 09:25
S18	79	S8 and (microphone adj assembly)	USPAT; JPO; DERWENT	OR	ON	2005/08/04 09:39
S19	5	S18 and (stack\$3 or laminat\$3)	USPAT; JPO; DERWENT	OR	ON	2005/08/04 09:31
S20	3864	microphone and (stack\$3 or laminat\$3) and (cut\$4 or separat\$3 or divid\$3)	USPAT; JPO; DERWENT	OR	ON	2005/08/04 09:40
S21	99489	microphone or (acoustic near transducer)	USPAT; JPO; DERWENT	OR	ON	2005/08/04 10:06
S22	3864	S20 and S21	USPAT; JPO; DERWENT	OR	ON	2005/08/04 09:33
S23	24	S8 and S22	USPAT; JPO; DERWENT	OR	ON	2005/08/04 09:33
S24	14	S1 and S22	USPAT; JPO; DERWENT	OR	ON	2005/08/04 09:33
S25	2	S23 and S24	USPAT; JPO; DERWENT	OR	ON	2005/08/04 09:33
S26	2741	microphone and (stack\$3 or laminat\$3) and (cut\$4 or divid\$3)	USPAT; JPO; DERWENT	OR	ON	2005/08/04 09:57
S27	3205	(microphone or (acoustic near transducer)) and (stack\$3 or laminat\$3) and (cut\$4 or divid\$3)	USPAT; JPO; DERWENT	OR	ON	2005/08/04 09:47
S28	21	connector same microphone same gasket	USPAT; JPO; DERWENT	OR	ON	2005/08/04 09:48
S29	2	S27 and S28	USPAT; JPO; DERWENT	OR	ON	2005/08/04 09:35

## EAST Search History

S30	6	("3414689"   "5825896"   "6285772"   "6359993"   "6522759").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/08/04 09:35
S31	624	(microphone adj assembly)	USPAT; JPO; DERWENT	OR	ON	2005/08/04 09:38
S32	624	S31 and (microphone adj assembly)	USPAT; JPO; DERWENT	OR	ON	2005/08/04 09:39
S33	79	S8 and (microphone adj assembly)	USPAT; JPO; DERWENT	OR	ON	2005/08/04 09:39
S34	0	S1 and (microphone adj assembly)	USPAT; JPO; DERWENT	OR	ON	2005/08/04 09:39
S35	5	S33 and (stack\$3 or laminat\$3) and (cut\$4 or separat\$3 or divid\$3)	USPAT; JPO; DERWENT	OR	ON	2005/08/04 09:50
S36	54	Horiuchi-megumi.in. or ojima-tsutomu.in.	USPAT; JPO; DERWENT	OR	ON	2005/11/17 13:21
S37	1	S31 and S36	USPAT; JPO; DERWENT	OR	ON	2005/08/04 09:43
S38	1	elastomer with (sound adj collect\$3 adj hole)	USPAT; JPO; DERWENT	OR	ON	2005/08/04 09:47
S39	21	S21 and S28	USPAT; JPO; DERWENT	OR	ON	2005/08/04 09:44
S40	2	elastomer same (sound adj collect\$3 adj hole)	USPAT; JPO; DERWENT	OR	ON	2005/08/04 09:47
S41	561	((acoustic near transducer)) and (stack\$3 or laminat\$3) and (cut\$4 or divid\$3)	USPAT; JPO; DERWENT	OR	ON	2005/08/04 09:50
S42	15748	connector and gasket	USPAT; JPO; DERWENT	OR	ON	2005/08/04 09:51
S43	6	S41 and S42	USPAT; JPO; DERWENT	OR	ON	2005/08/04 09:48
S44	1395	((acoustic near transducer)) and (web or substrate)	USPAT; JPO; DERWENT	OR	ON	2005/08/04 09:50

## EAST Search History

S45	276	S44 and (stack\$3 or laminat\$3)	USPAT; JPO; DERWENT	OR	ON	2005/08/04 09:50
S46	181	S45 and (cut\$4 or divid\$3)	USPAT; JPO; DERWENT	OR	ON	2005/08/04 09:51
S47	0	S42 and S46	USPAT; JPO; DERWENT	OR	ON	2005/08/04 09:51
S48	2	S46 and gasket	USPAT; JPO; DERWENT	OR	ON	2005/08/04 09:51
S49	40	S46 and connector	USPAT; JPO; DERWENT	OR	ON	2005/08/04 09:51
S50	42	S48 or S49	USPAT; JPO; DERWENT	OR	ON	2005/08/04 09:52
S51	33	S50 and @ad<"20010517"	USPAT; JPO; DERWENT	OR	ON	2005/08/04 10:08
S52	7	("3697937"   "4516583"   "4580252"   "4682308"   "4833360"   "5060651"   "5089989").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/08/04 09:55
S53	10	("5640371").URPN.	USPAT	OR	ON	2005/08/04 09:56
S54	88	29/417.ccls. and (stack\$3 or laminat\$3) and (cut\$4 or divid\$3)	USPAT; JPO; DERWENT	OR	ON	2005/08/04 11:07
S55	2	S54 and S21	USPAT; JPO; DERWENT	OR	ON	2005/08/04 09:57
S56	4	("3770560"   "3942029"   "5859508"   "5870482").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/08/04 09:58
S57	11731	S21 and array	USPAT; JPO; DERWENT	OR	ON	2005/08/04 10:06
S58	11731	(microphone or (acoustic near transducer)) and array	USPAT; JPO; DERWENT	OR	ON	2005/08/04 10:07
S59	1601	S58 and (stack\$3 or laminat\$3) and (cut\$4 or divid\$3)	USPAT; JPO; DERWENT	OR	ON	2005/08/04 10:07
S60	172	S58 and ((stack\$3 or laminat\$3) same (cut\$4 or divid\$3))	USPAT; JPO; DERWENT	OR	ON	2005/08/04 10:07

## EAST Search History

S61	150	S60 and @ad<"20010517"	USPAT; JPO; DERWENT	OR	ON	2005/08/04 11:07
S62	819	381/174,175,191,369.ccls.	USPAT; JPO; DERWENT	OR	ON	2005/08/04 11:06
S63	37	S58 and S62	USPAT; JPO; DERWENT	OR	ON	2005/08/04 11:06
S64	10	S63 and (stack\$3 or laminat\$3) and (cut\$4 or divid\$3)	USPAT; JPO; DERWENT	OR	ON	2005/08/04 11:07
S65	8	S64 and @ad<"20010517"	USPAT; JPO; DERWENT	OR	ON	2005/08/04 11:07
S66	2	("6898292").PN.	USPAT; USOCR; JPO; DERWENT	OR	OFF	2005/08/04 16:06
S67	0	(connector same microphone same gasket) near (web or aggregation)	USPAT; JPO; DERWENT	OR	ON	2005/11/17 12:28
S68	538	connector near (web or aggregation)	USPAT; JPO; DERWENT	OR	ON	2005/11/17 12:28
S70	17	microphone near (web or aggregation)	USPAT; JPO; DERWENT	OR	ON	2005/11/17 12:29
S71	90	gasket near (web or aggregation)	USPAT; JPO; DERWENT	OR	ON	2005/11/17 12:31
S72	0	S68 and S70 and S71	USPAT; JPO; DERWENT	OR	ON	2005/11/17 12:29
S73	0	S68 and S70	USPAT; JPO; DERWENT	OR	ON	2005/11/17 12:29
S74	0	S70 and 381/170,355,358,360,361, 368,369.ccls.	USPAT; JPO; DERWENT	OR	ON	2005/11/17 12:30
S75	77	(microphone near assembly) and 381/170,355,358,360,361,368,369.ccls.	USPAT; JPO; DERWENT	OR	ON	2005/11/17 12:31
S76	0	S71 and S75	USPAT; JPO; DERWENT	OR	ON	2005/11/17 12:31

## EAST Search History

S77	3	gasket with (sound near collect\$3)	USPAT; JPO; DERWENT	OR	ON	2005/11/17 12:31
S78	1	S75 and S77	USPAT; JPO; DERWENT	OR	ON	2005/11/17 12:39
S79	6	("3414689"   "5825896"   "6285772"   "6359993"   "6522759").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/11/17 12:34
S80	2	("6307946").PN.	USPAT; USOCR; JPO; DERWENT	OR	OFF	2005/11/17 12:41
S81	2	("4697334").PN.	USPAT; USOCR; JPO; DERWENT	OR	OFF	2005/11/17 12:44
S82	2	("6594369").PN.	USPAT; USOCR; JPO; DERWENT	OR	OFF	2005/11/17 12:50
S83	21	microphone same gasket same connector	USPAT; JPO; DERWENT	OR	ON	2005/11/17 12:54
S84	9	microphone same gasket same connector	US-PGPUB	OR	ON	2005/11/17 12:56
S85	797	microphone with assembl\$3	US-PGPUB	OR	ON	2005/11/17 12:57
S86	3400	gasket with assembl\$3	US-PGPUB	OR	ON	2005/11/17 12:57
S87	18501	connector with assembl\$3	US-PGPUB	OR	ON	2005/11/17 12:57
S88	10	S85 and S86 and S87	US-PGPUB	OR	ON	2005/11/17 12:57
S89	6	("3816671"   "5574794"   "5613011"   "5788516"   "5923750"   "6217349").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/11/17 12:58
S90	6	("2518805"   "3663768"   "4331840"   "4429193"   "4511768").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/11/17 12:59
S91	3	("4697334").URPN.	USPAT	OR	ON	2005/11/17 13:00
S92	3	("6307946").URPN.	USPAT	OR	ON	2005/11/17 13:19
S93	11	("5823820"   "5830007"   "6093056"   "6217349"   "6220892"   "6307946"   "6319054"   "6508663"   "6549636"   "6561823"   "6577743").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/11/17 13:20
S94	7	(Horiuchi-megumi.in. or ojima-tsutomu.in.) and microphone	USPAT; JPO; DERWENT	OR	ON	2005/11/17 14:05

## EAST Search History

S95	5	("3118022"   "3736552"   "3942029"   "5798460").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/11/17 13:22
S96	0	(anisotropic near conductive near elastomer) and microphone	USPAT; JPO; DERWENT	OR	ON	2005/11/17 14:06
S97	2	(anisotropic near conduct\$3 near elastomer) and microphone	USPAT; JPO; DERWENT	OR	ON	2005/11/17 13:54
S98	39	(anisotropic near conduct\$3 near elastomer) and connector	USPAT; JPO; DERWENT	OR	ON	2005/11/17 13:54
S99	30	(anisotropic near conduct\$3 near elastomer) same connector	USPAT; JPO; DERWENT	OR	ON	2005/11/17 14:06
S10 0	1	(anisotropic near conductive) and microphone	USPAT; JPO; DERWENT	OR	ON	2005/11/17 14:01
S10 1	9	(anisotropic) and microphone	USPAT; JPO; DERWENT	OR	ON	2005/11/17 14:01
S10 2	2	(Horiuchi-megumi.in. or ojima-tsutomu.in.) and (anisotropic)	USPAT; JPO; DERWENT	OR	ON	2005/11/17 14:05
S10 3	418	(conduct\$3 near elastomer) same connector	USPAT; JPO; DERWENT	OR	ON	2005/11/17 14:06
S10 4	42	(conductive near elastomer) and microphone	USPAT; JPO; DERWENT	OR	ON	2005/11/17 14:06
S10 5	7	(conductive near elastomer) same microphone	USPAT; JPO; DERWENT	OR	ON	2005/11/17 14:06
S10 6	80	tanabe-haruhisa.in. or horiuchi-megumi.in.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/04/25 07:04
S10 7	16	S106 and microphone\$1	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/04/25 07:04
S10 8	71	(connector or substrate) with microphone with (frame or gasket)	USPAT; JPO; DERWENT	OR	ON	2006/04/25 06:55
S10 9	5	("3118022"   "3736552"   "3942029"   "5798460").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/25 06:55

## EAST Search History

S11 0	1	("20020172385").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/25 06:57
S11 1	4	("3770560"   "3942029"   "5859508"   "5870482").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/25 07:03
S11 2	75	ojima-tsutomu.in. or horiuchi-megumi.in.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/04/25 07:04
S11 3	14	S112 and microphone\$1	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/04/25 07:19
S11 4	44	NOGUCHI-KATSUHIKO.in.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/04/25 07:18
S11 5	1	S114 and microphone\$1	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/04/25 08:03
S11 6	7	S114 and optic\$2	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/04/25 07:58
S11 7	81	anisotropic near conductive near elastomer	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/04/25 07:59
S11 8	4	S117 and microphone\$1	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/04/25 08:03